Elta

8909CSA

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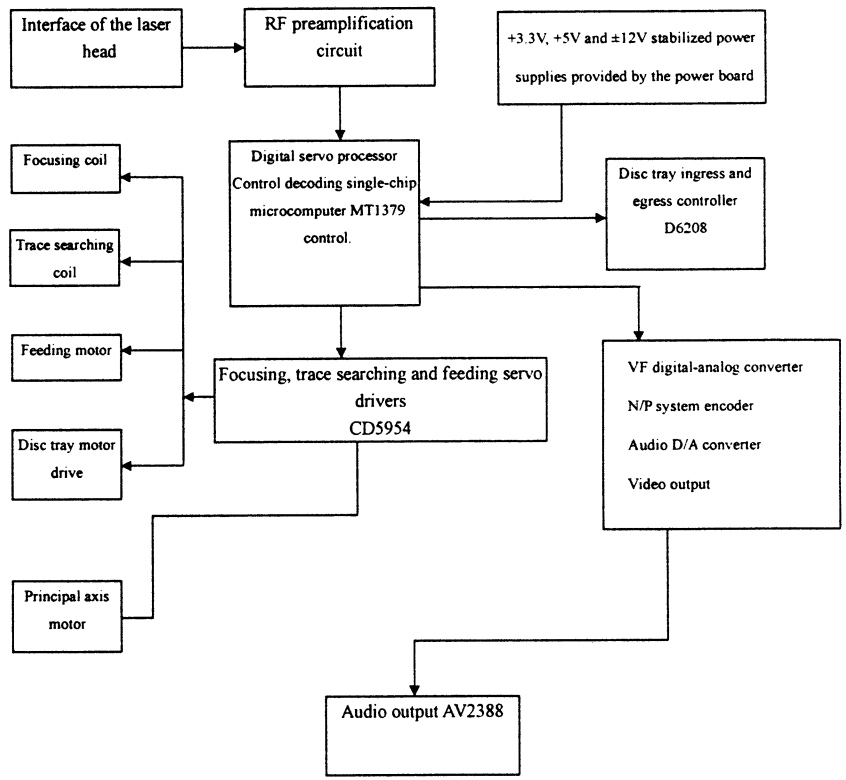
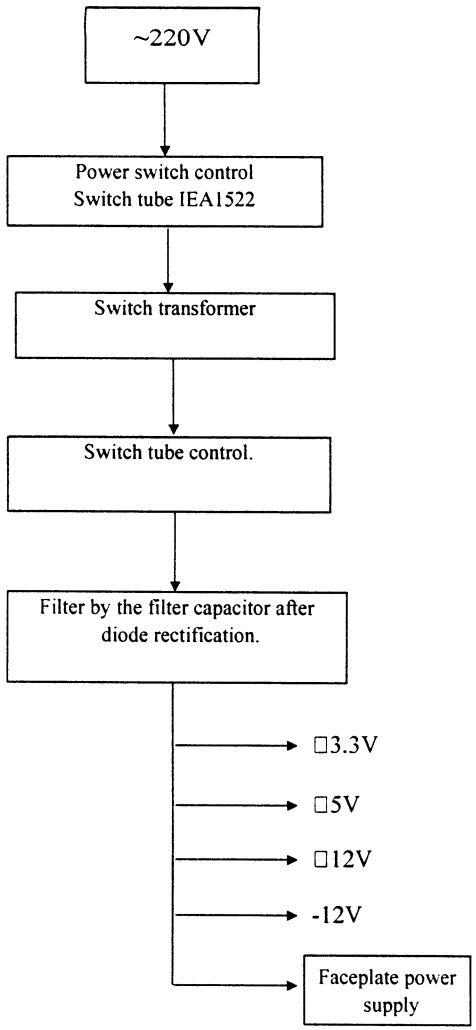
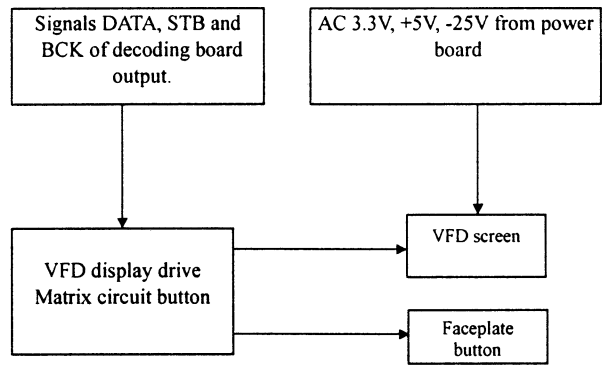
Block diagram for the operating principle of the DVD decoding board


Interface of the laser head
RF preamplification circuit
+3.3V, +5V and ±12V stabilized power supplies provided by the power board
Focusing coil
Digital servo processor Control decoding single-chip microcomputer MT1379 control.
Disc tray ingress and egress controller D6208
Trace searching coil
Feeding motor
Focusing, trace searching and feeding servo drivers CD5954
VF digital-analog converter
N/P system encoder
Audio D/A converter
Video output
Disc tray motor drive
Principal axis motor
Audio output AV2388

Block diagram for the power supply part of the DVD player



Block diagram for the faceplate part of the DVD player


Signals DATA, STB and BCK of decoding board output.
AC 3.3V, +5V, -25V from power board
VFD display drive Matrix circuit button
VFD screen
Faceplate button

Block diagram for the karaoke part of the DVD player

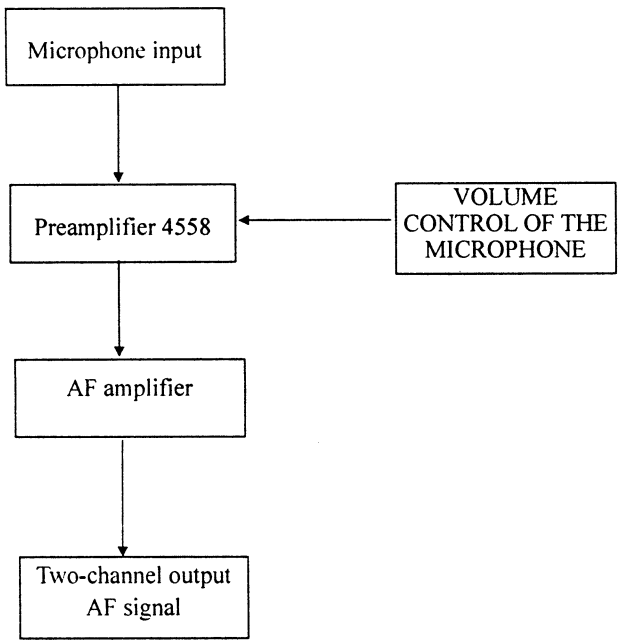
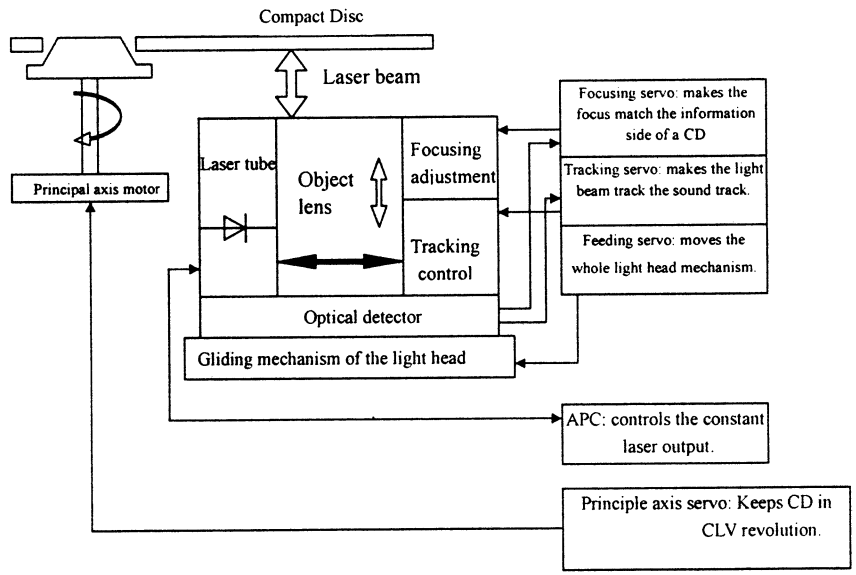
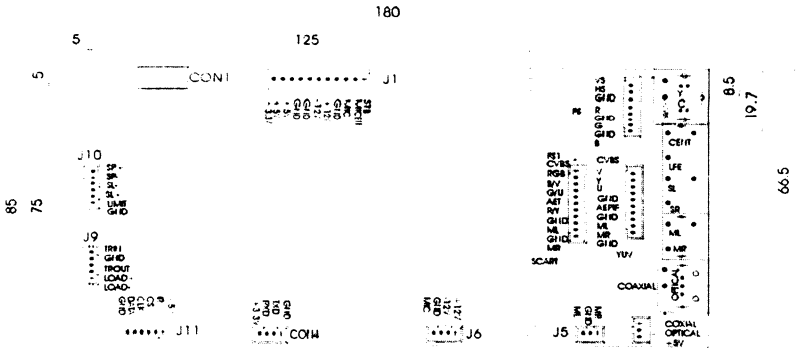


Diagram of the servo mechanism of the DVD player


Compact Disc
Laser beam
Principal axis motor
Laser tube
Object lens
Focusing adjustment
Tracking control
Optical detector
Gliding mechanism of the light head
Focusing servo: makes the focus match the information side of a CD
Tracking servo: makes the light beam track the sound track.
Feeding servo: moves the whole light head mechanism.
APC: controls the constant laser output.
Principle axis servo: Keeps CD in CLV revolution.

Major functions of the IC feet



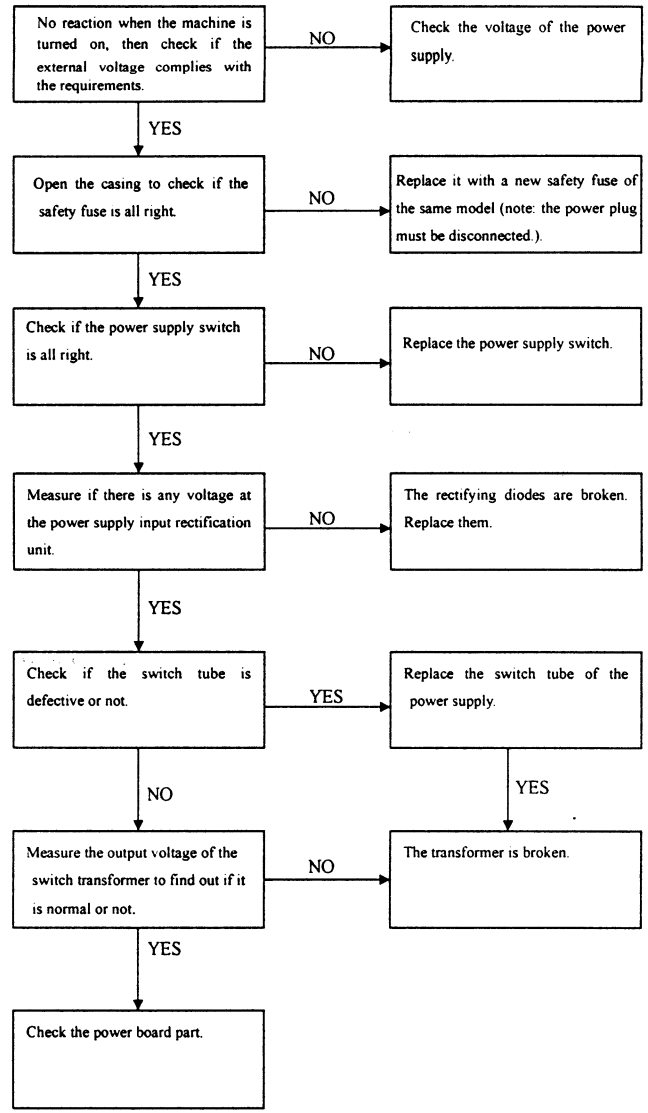
EJS7928 interface figure

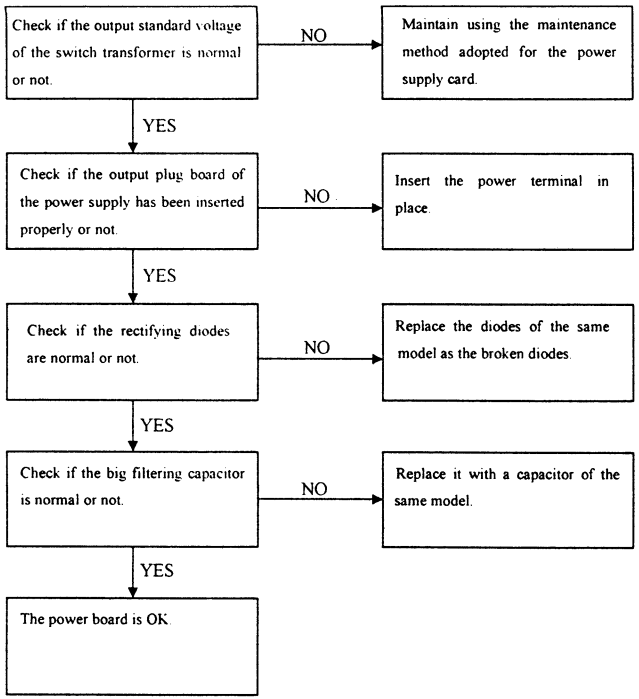
1. MT1336E function: RF single preamplifier.
2. MT1379 function: digital signal processor; central processing; MPEG decoding, VF coder.
3. 5954 function: drive chip.
4. WM8746: audio D/A converter;
5. KM16x256K function: random dynamic processor.
6. 29F800T function: flash memory (FLASH).

Other ICs:

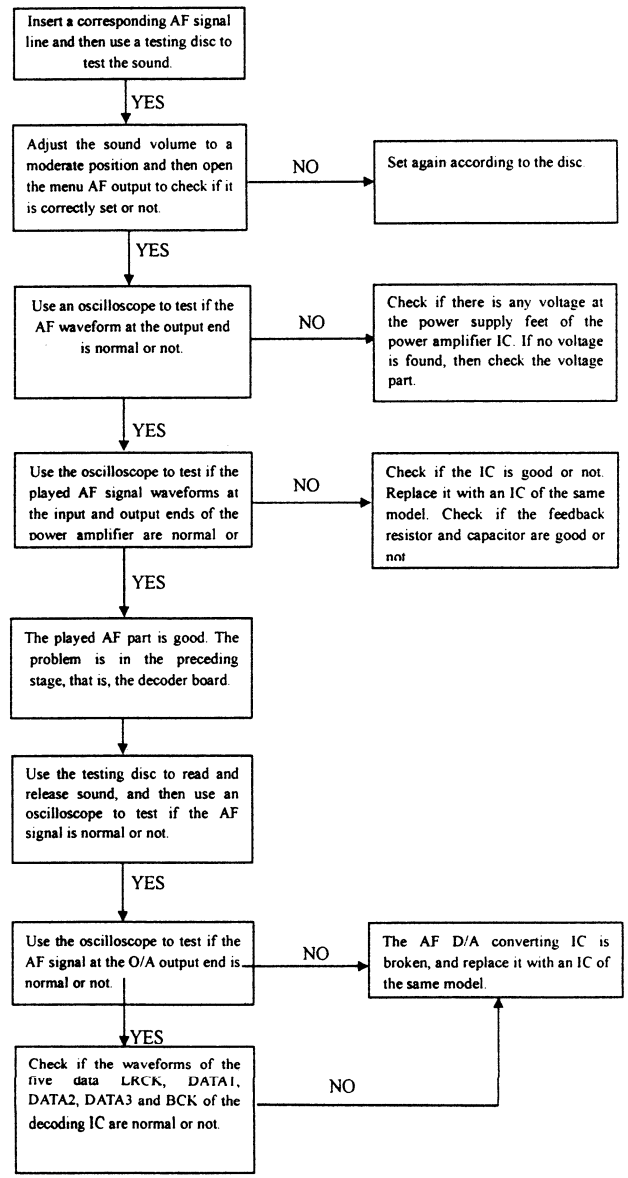
7. 16312 function: IC faceplate function control.
8. 4558 function: operation amplifier.

Maintenance procedure for the power supply part is as follows:

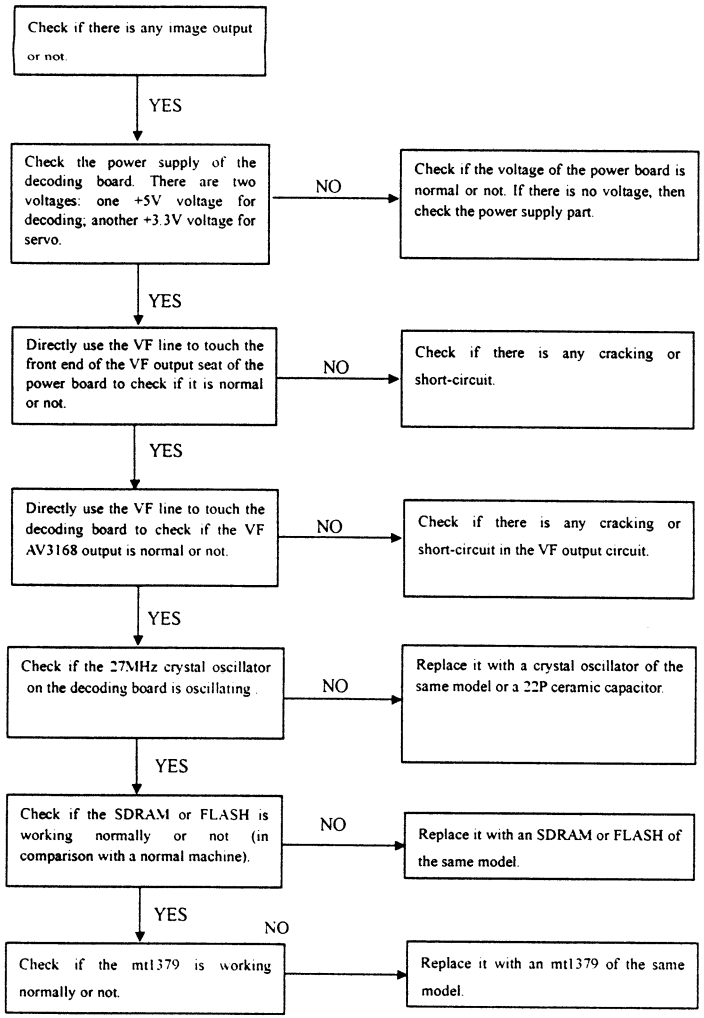

No reaction when the machine is turned on, then check if the external voltage complies with the requirements.
NO
Check the voltage of the power supply.
YES
Open the casing to check if the safety fuse is all right.
NO
Replace it with a new safety fuse of the same model (note: the power plug must be disconnected.).
YES
Check if the power supply switch is all right.
NO
Replace the power supply switch.
YES
Measure if there is any voltage at the power supply input rectification unit.
NO
The rectifying diodes are broken. Replace them.
YES
Check if the switch tube is defective or not.
YES
Replace the switch tube of the power supply.
NO
YES
Measure the output voltage of the switch transformer to find out if it is normal or not.
NO
The transformer is broken.
YES
Check the power board part.


Check if the output standard voltage of the switch transformer is normal or not.
NO
Maintain using the maintenance method adopted for the power supply card.
YES
Check if the output plug board of the power supply has been inserted properly or not.
NO
Insert the power terminal in place.
YES
Check if the rectifying diodes are normal or not.
NO
Replace the diodes of the same model as the broken diodes.
YES
Check if the big filtering capacitor is normal or not.
NO
Replace it with a capacitor of the same model.
YES
The power board is OK.

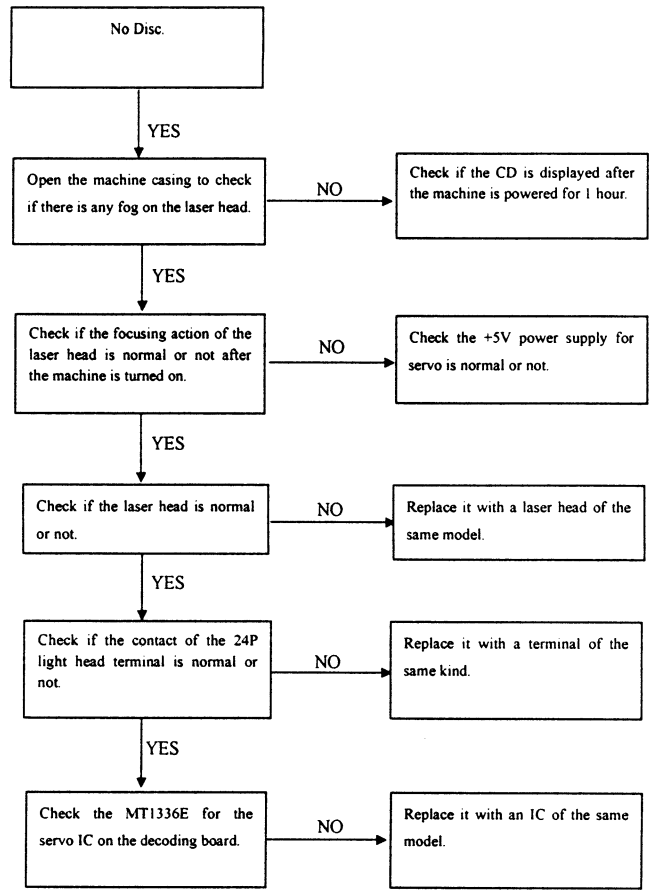
Maintenance procedure for the AF part:


Insert a corresponding AF signal line and then use a testing disc to test the sound.
YES
Adjust the sound volume to a moderate position and then open the menu AF output to check if it is correctly set or not.
NO
Set again according to the disc
YES
Use an oscilloscope to test if the AF waveform at the output end is normal or not.
NO
Check if there is any voltage at the power supply feet of the power amplifier IC. If no voltage is found, then check the voltage part.
YES
Use the oscilloscope to test if the played AF signal waveforms at the input and output ends of the power amplifier are normal or
NO
Check if the IC is good or not. Replace it with an IC of the same model. Check if the feedback resistor and capacitor are good or not
YES
The played AF part is good. The problem is in the preceding stage, that is, the decoder board.
Use the testing disc to read and release sound, and then use an oscilloscope to test if the AF signal is normal or not.
YES
Use the oscilloscope to test if the AF signal at the O/A output end is normal or not.
NO
The AF D/A converting IC is broken, and replace it with an IC of the same model.
YES
Check if the waveforms of the five data LRCK, DATA1, DATA2, DATA3 and BCK of the decoding IC are normal or not.
NO

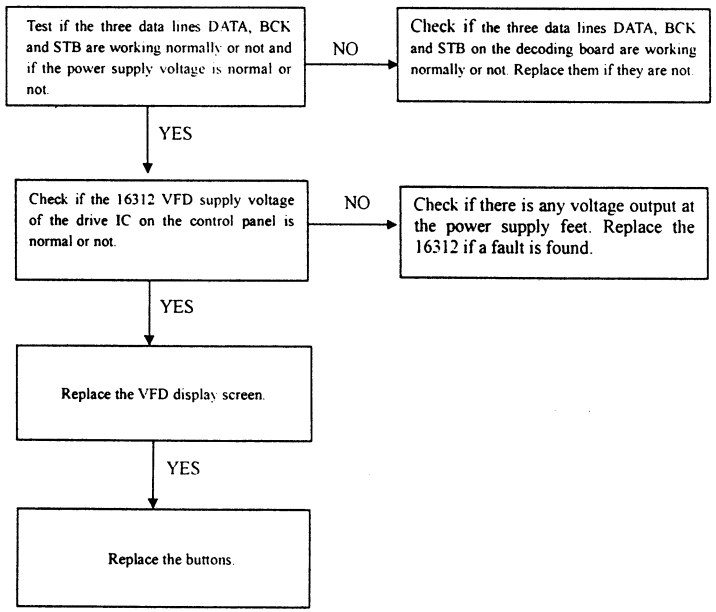
Maintenance procedure for the VF part is as follows:


Check if there is any image output or not.
YES
Check the power supply of the decoding board. There are two voltages: one +5V voltage for decoding; another +3.3V voltage for servo.
NO
Check if the voltage of the power board is normal or not. If there is no voltage, then check the power supply part.
YES
Directly use the VF line to touch the front end of the VF output seat of the power board to check if it is normal or not.
NO
Check if there is any cracking or short-circuit.
YES
Directly use the VF line to touch the decoding board to check if the VF AV3168 output is normal or not.
NO
Check if there is any cracking or short-circuit in the VF output circuit.
YES
Check if the 27MHz crystal oscillator on the decoding board is oscillating.
NO
Replace it with a crystal oscillator of the same model or a 22P ceramic capacitor.
YES
Check if the SDRAM or FLASH is working normally or not (in comparison with a normal machine).
NO
Replace it with an SDRAM or FLASH of the same model.
YES
Check if the mt1379 is working normally or not.
NO
Replace it with an mt1379 of the same model.

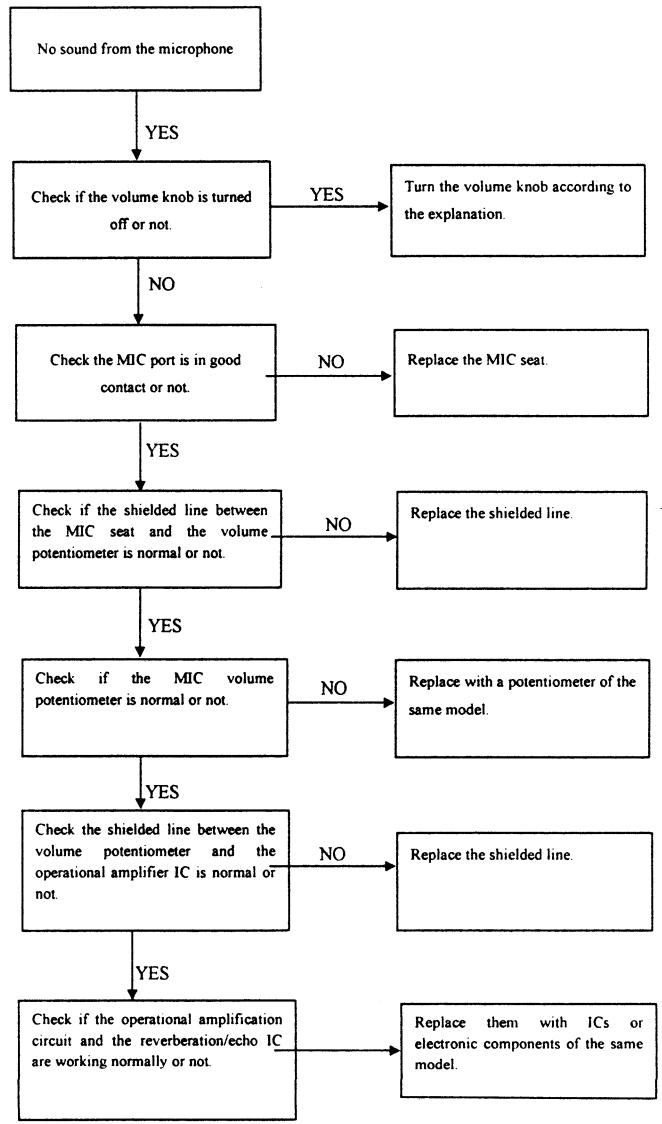
Maintenance procedure for the servo part of the decoding board is as follows:


No Disc.
YES
Open the machine casing to check if there is any fog on the laser head.
NO
Check if the CD is displayed after the machine is powered for 1 hour.
YES
Check if the focusing action of the laser head is normal or not after the machine is turned on.
NO
Check the +5V power supply for servo is normal or not.
YES
Check if the laser head is normal or not.
NO
Replace it with a laser head of the same model.
YES
Check if the contact of the 24P light head terminal is normal or not.
NO
Replace it with a terminal of the same kind.
YES
Check the MT1336E for the servo IC on the decoding board.
NO
Replace it with an IC of the same model.

Maintenance procedure for the front control panel is as follows:

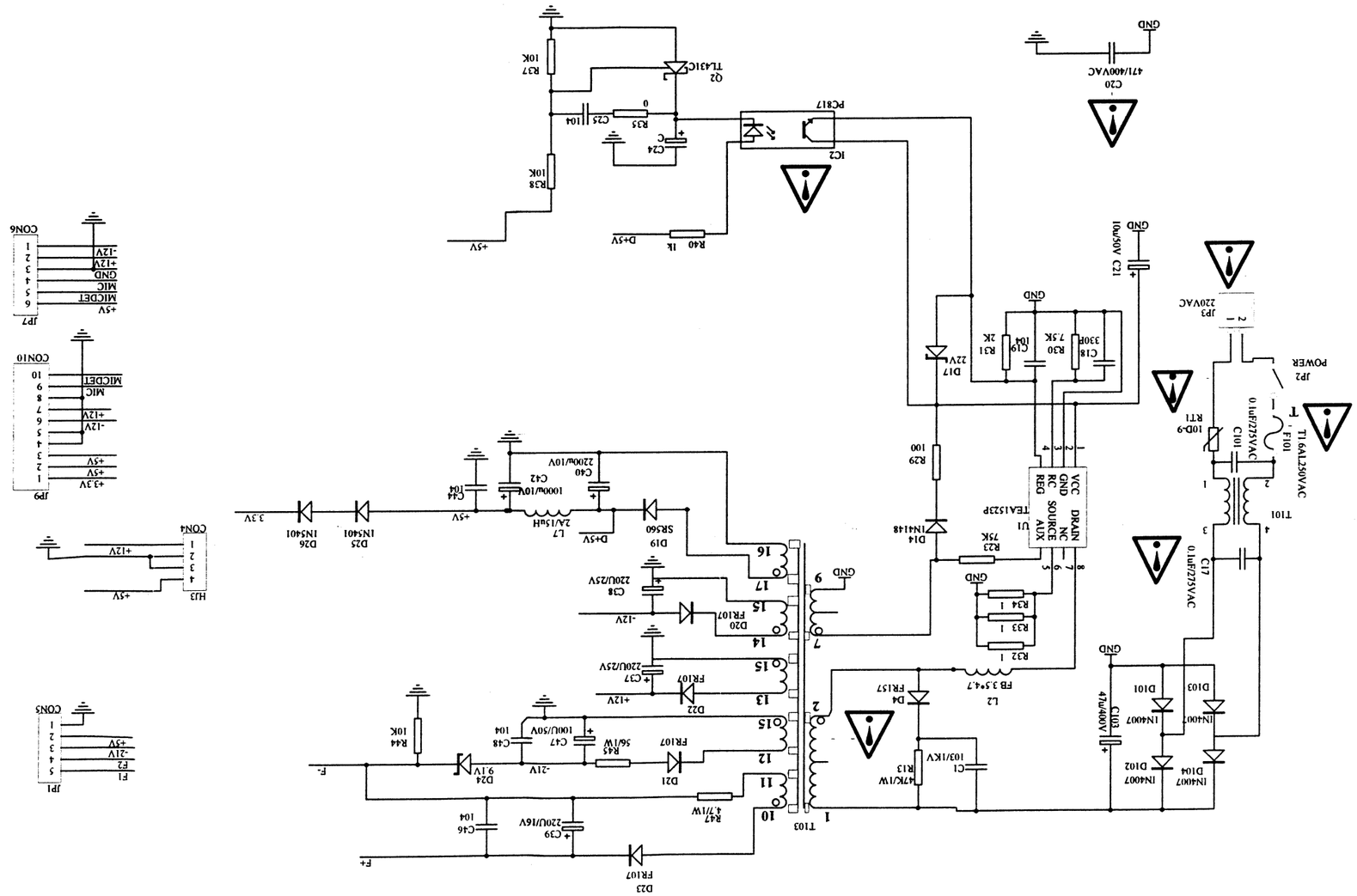

Test if the three data lines DATA, BCK and STB are working normally or not and if the power supply voltage is normal or not.
NO
Check if the three data lines DATA, BCK and STB on the decoding board are working normally or not. Replace them if they are not.
YES
Check if the 16312 VFD supply voltage of the drive IC on the control panel is normal or not.
NO
Check if there is any voltage output at the power supply feet. Replace the 16312 if a fault is found.
YES
Replace the VFD display screen.
YES
Replace the buttons.

Maintenance procedure for the karaoke part is as follows:


No sound from the microphone
YES
Check if the volume knob is turned off or not.
YES
Turn the volume knob according to the explanation.
NO
Check the MIC port is in good contact or not.
NO
Replace the MIC seat.
YES
Check if the shielded line between the MIC seat and the volume potentiometer is normal or not.
NO
Replace the shielded line.
YES
Check if the MIC volume potentiometer is normal or not.
NO
Replace with a potentiometer of the same model.
YES
Check the shielded line between the volume potentiometer and the operational amplifier IC is normal or not.
NO
Replace the shielded line.
YES
Check if the operational amplification circuit and the reverberation/echo IC are working normally or not.
Replace them with ICs or electronic components of the same model.

EDV1523B

EBD3.380.018DL



EBD3.380.018DL

MT1336/76+MT1379 with sony Slim khm280 PUH.

Very Important to reduce Noise

MT1336E

1376 USE 500P

1376 USE 15K OHM

TRANSISTOR TRAY DRIVE CIRCUIT

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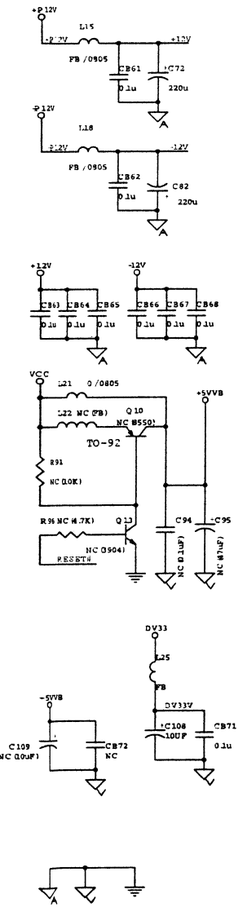
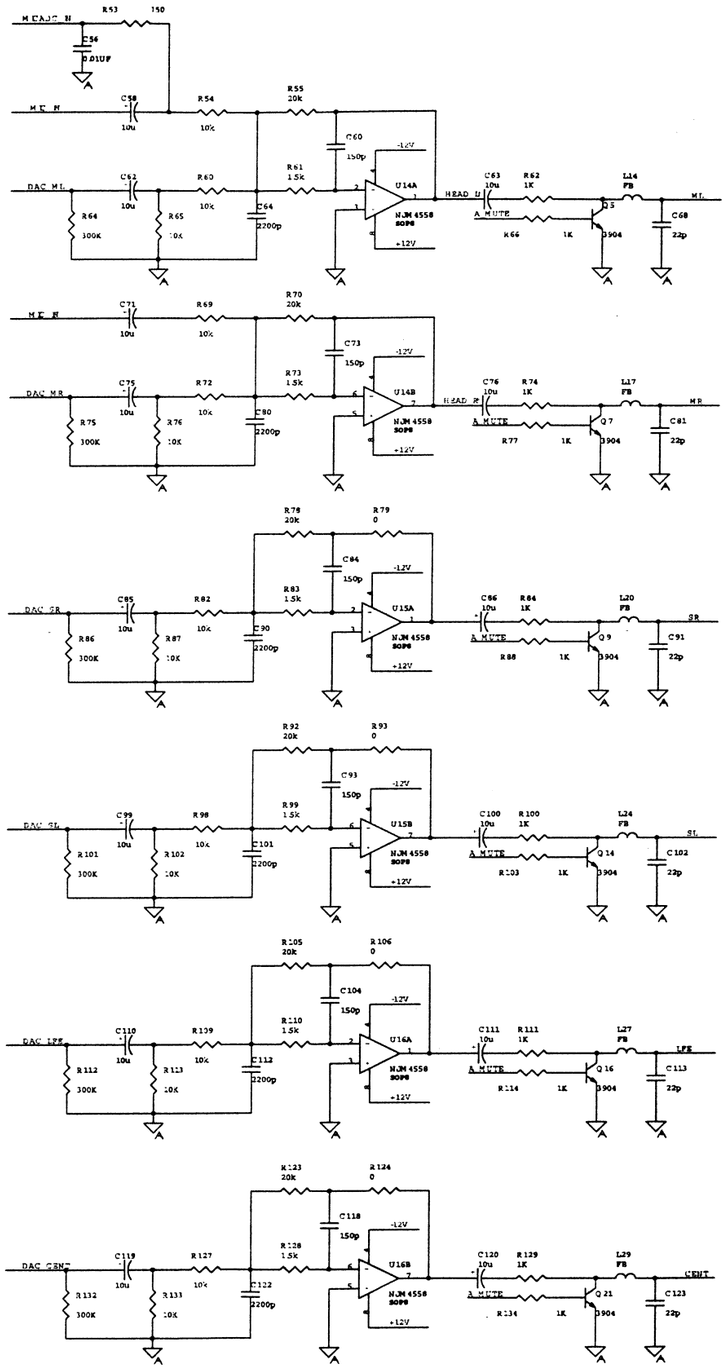
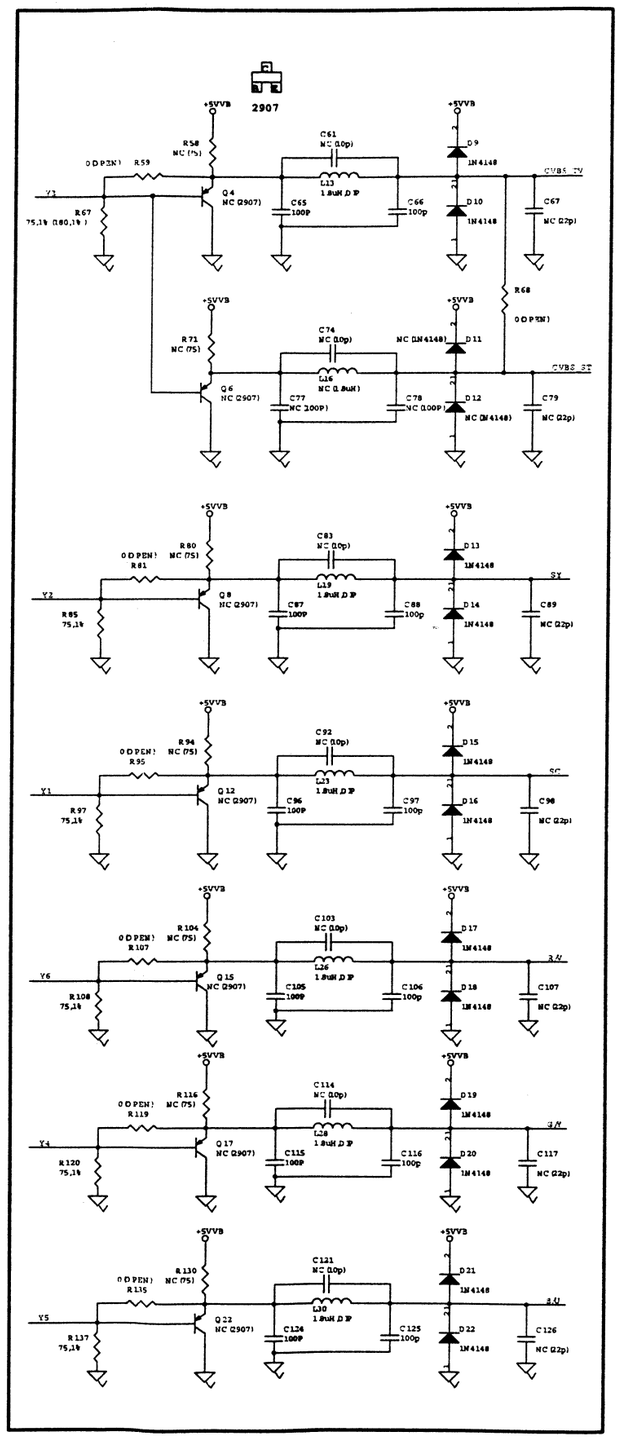
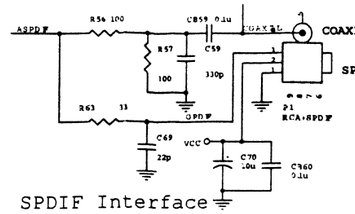
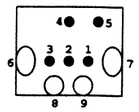


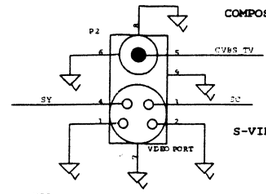


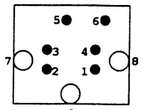


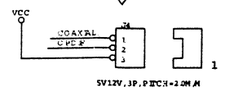


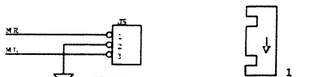
SPDIF Interface

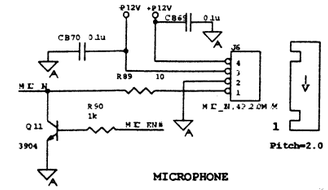




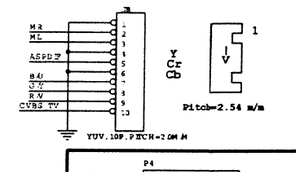




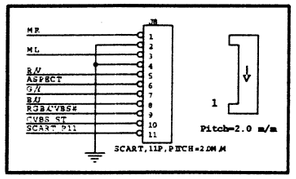


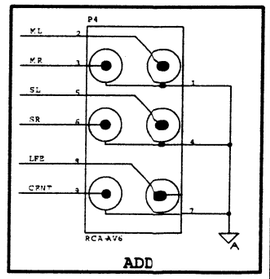


MICROPHONE



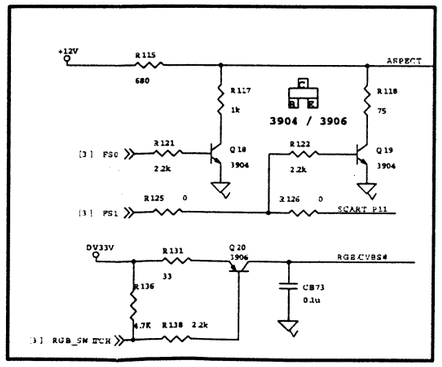
SCART CONNECTOR

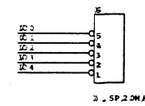




ADD

SCART CONTROL





			MTK137--SONY-KHM280
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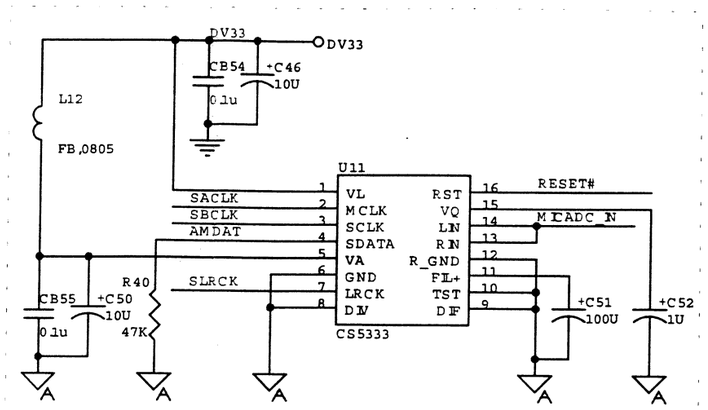
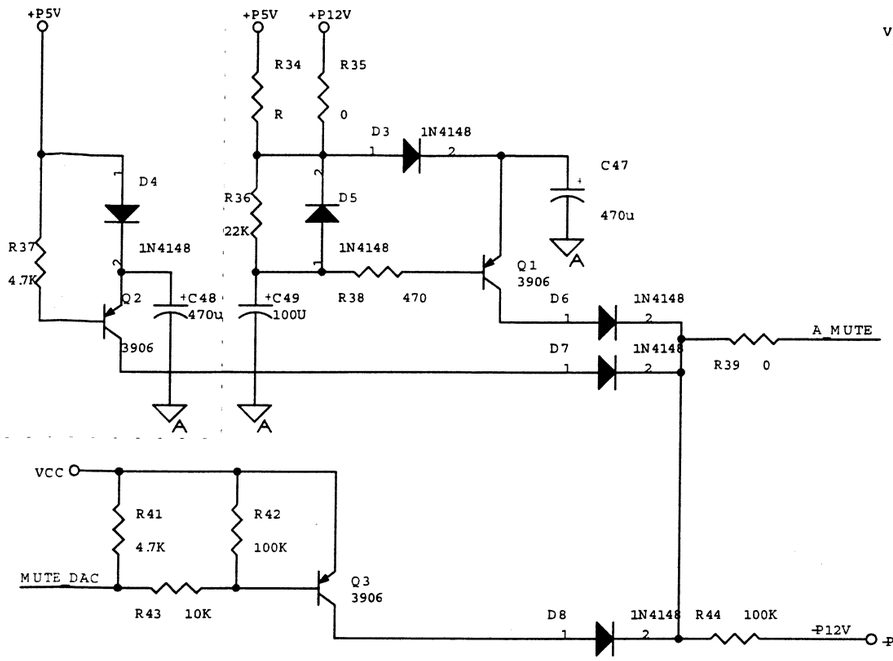
ACLK R45 33 SACLK
ALRCK R46 33 SLRCK
ABCK R47 33 SBCLK

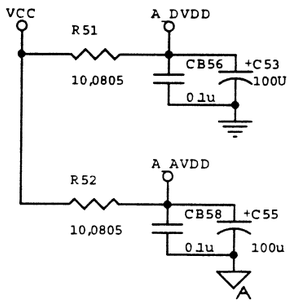
ASDAT0 R48 33 SDAT0
ASDAT1 R49 33 SDAT1
ASDAT2 R50 33 SDAT2

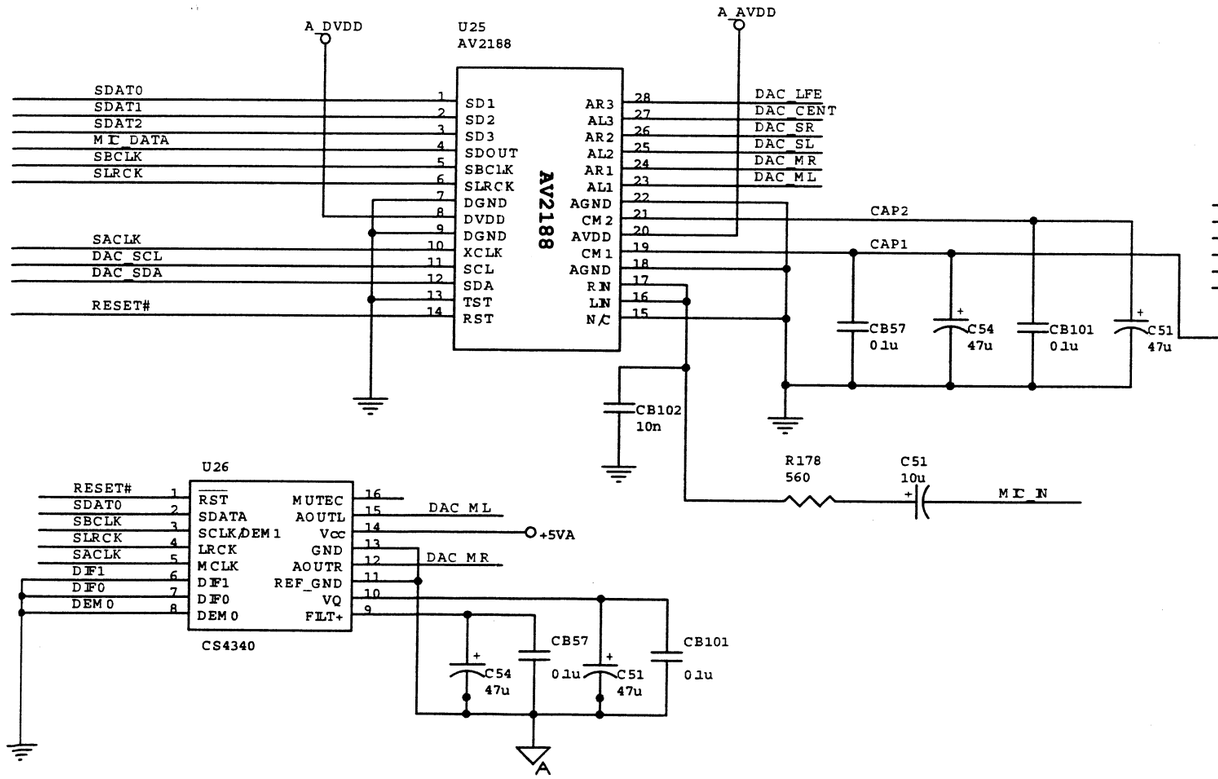
[3] ACLK — ACLK
[3] ABCK — ABCK
[3] ALRCK — ALRCK
[3] ASDAT[0..2] — ASDAT[0..2]
[6] MICADC_IN — MICADC_IN
[3,6] RESET# — RESET#
[3] MUTE_DAC — MUTE_DAC

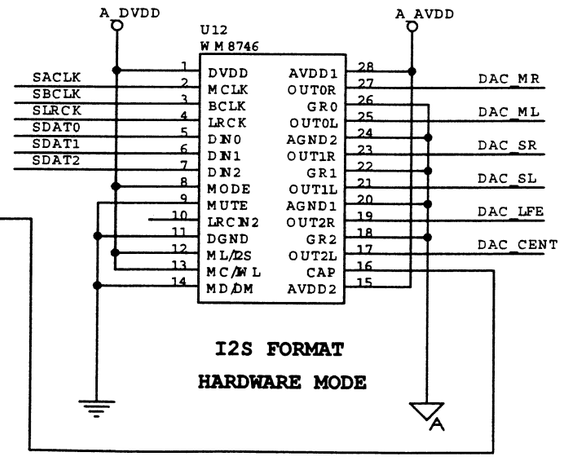


Audio Format: I2S UP TO 24 Bit









DAC_MR — DAC_MR [6]
DAC_ML — DAC_ML [6]
DAC_SR — DAC_SR [6]
DAC_SL — DAC_SL [6]
DAC_CENT — DAC_CENT [6]
DAC_LFE — DAC_LFE [6]
AMDAT — AMDAT [3]

A_MUTE — A_MUTE [6]

			MTK1379-SONY-KHM280
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[3] DCLK — DCLK
[3] DCKE — DCKE

[3] CAS# — CAS#
[3] RAS# — RAS#
[3] WE# — WE#
[3] CS# — CS#

[3] MAD[11..1] — MAD[11..1]
[3] BAD[1..0] — BAD[1..0]

[3] DQD[31..0] — DQD[31..0]

[3] DQMD[3..0] — DQMD[3..0]

[3] PCE# — PCE#
[3] PRD# — PRD#
[3] PWR# — PWR#

[3] AD[19..0] — AD[19..0]

[3] ADD[7..0] — ADD[7..0]

[3] SCL — SCL
[3] SDA — SDA

PCE# — FCE#
PRD# — FRD#
PWR# — FWR#

V33
L11
FB /0805
SD33
CB53 0.1u
+C45 47u

SD33
C42 47u
C43 47u

SD33
CB36 0.1u CB37 0.1u CB38 0.1u CB39 0.1u CB40 0.1u CB41 0.1u CB42 0.1u

SD33
CB43 0.1u CB44 0.1u CB45 0.1u CB46 0.1u CB47 0.1u CB48 0.1u

U5
SDRAM 1Mx16x4
EliteMT M12L64164A-5T
54-Pin TSOPII(400mil x 875mil)

U6
SDRAM 512Kx16x2
ESMT M12L16161A-5T
50-PIN TSOP(II),
(400mil x 825mil, 0.8mm pin pitch)

U7
SDRAM 512Kx16x2
ESMT M12L16161A-5T
50-PIN TSOP(II),
(400mil x 825mil, 0.8mm pin pitch)

DQ0 — RDQ0
DQ1 — RDQ1
DQ2 — RDQ2
DQ3 — RDQ3
DQ4 — RDQ4
DQ5 — RDQ5
DQ6 — RDQ6
DQ7 — RDQ7
DQ8 — RDQ8
DQ9 — RDQ9
DQ10 — RDQ10
DQ11 — RDQ11
DQ12 — RDQ12
DQ13 — RDQ13
DQ14 — RDQ14
DQ15 — RDQ15

DQ16 — RDQ16
DQ17 — RDQ17
DQ18 — RDQ18
DQ19 — RDQ19
DQ20 — RDQ20
DQ21 — RDQ21
DQ22 — RDQ22
DQ23 — RDQ23
DQ24 — RDQ24
DQ25 — RDQ25
DQ26 — RDQ26
DQ27 — RDQ27
DQ28 — RDQ28
DQ29 — RDQ29
DQ30 — RDQ30
DQ31 — RDQ31

RN1 33x4
CS# — DCS#
RAS# — DRAS#
CAS# — DCAS#
WE# — DWE#

BA0 — DBA0
BA1 — DBA1

DCLK — SDCLK
DCKE — SDCKE

MA0 — DMA0
MA1 — DMA1
MA2 — DMA2
MA3 — DMA3
MA4 — DMA4
MA5 — DMA5
MA6 — DMA6
MA7 — DMA7
MA8 — DMA8
MA9 — DMA9
MA10 — DMA10
MA11 — DMA11

DQM0 — RDQM0
DQM1 — RDQM1
DQM2 — RDQM2
DQM3 — RDQM3

U22
AT49F008A,TSOP40
29F080
8M Flash

U9
MX29F800T(TSOP-48)

U8
AT49F8192A,SOP
8M Flash

FLASH_VCC
R33 10K
CB50 0.1u
CB52 0.1u
L9 FB /0805
L10 FB /0805
NO STUFF
CB49 0.1u
C44 10u
VCC
V33

U10
EEPROM 24C16,ST-SO8
M24C16-W
CB51 0.1u

MTK1379-SONY-KHM280
EBD3.380.069DL
4 6
EJS7928

MT1379_216

Power decoupling

DV33: CB12 CB13 CB14 CB15 CB16 CB17 CB18 — 0.1uF
V25: CB19 CB20 CB21 CB22 CB23 CB24 — 0.1uF
AV33 (NEAR PIN 212): CB31 0.1uF, CB32 0.1uF, C20 10UF
V2P8: CB29 0.1uF, C18 10UF
V1P4: CB26 0.1uF, C16 10UF
CB28 0.1uF
V33: CB11 0.1uF; CB25 0.1uF, C15 10UF; CB27 0.1uF, C17 10UF; CB30 0.1uF, C19 10UF

Clock

OSC1 27MHz (VCC, NC, OUT, GND)
U3A, U3B 74HC04
L5 2.7u,DIP
C11 1000p
R4 100k
R5 X1
Y1 27MHz
R6 XO
C13 20p
C14 20p
R3 10 XTALI
C12 C

Video front end

TP1 RFRPC, TP2 HTRC
R7 100k, R8 R, R9 0
C21 1000pF, C22 1000pF RFN, C23 1000pF RFP
RFDTSLVP TP5, RFDTSLVN TP7
RFON TP8, RFOP TP9
R10 10k CB28 0.1uF
TP3 XTALI, TP4 XTALO
TP6 ADIN
R11 1K, R12 0
R13 R, CB33 0.1uF
HSYN R177 OPEN; FSO R6 0; VSYN R144 OPEN; RGB_SW R179 0 RGB_SW_MCH
R14 4.7
C24 47uF, C25 100pF, CB34 0.1uF, C26 1uF, C27 0.01uF
R15 8.2k
C28 0.01uF, C29 0.01uF, C30 0.01uF, C31 0.01uF
TP12 LPFP, TP13 LPFOP, TP14 JUFO, TP15 JUFN
C33 100pF, R17 750k, R18 20k, R19 27k
TP16 FOSO, TP17 TRSO, TROPEN
TP18 PWMOUT1, R20 0, R21 10k, R22 10k, PWMOUT2
TP19 DMSO, TP20 FMSO, TP21 FG
CB35 0.1uF, C34 0.015uF, C35 560pF, C36 560pF, C37 C
C40 22u,0805, R29 4.7
C41 100p

Audio

R26 10, C38 100uF, R28 10, R27 4.7k
C39 22u,0805, R30 4.7, AV33
R24 1K, R25 1K
R23 1K
TP10 FS, TP11 VREF, R16 390,1%
C32 C

U4 MT1379E SMD LQFP-216

Pin groups: RFP RFN RFDTSLVP RFDTSLVN ADCVDD3 PWM2VREF PWMVREF RFRPC RFRPC_DC RFRP_DC RFLSLVEL RFL CSO TEO TRZSW RFSUBI ADN ADCVSS BDO SCLK SDEN SDATA WOBSI UDGATE DVDD3 DVDD2 VPO18 DVSS PRST XTALI XTALO DVDD3 SPBCK SPLRCK DVDD2 SPDATA SPSWAP HSYN DVSS YUV7 VSYN BLANK IE YUV6A YUV5A DACVSSA DACVDDA YUV3A DACVDDA DACVSSB YUV2A DACVDDB YUV1A DACVSSC
YUV0/CIN FS VREF DACVDDC ASDATA4 ASDATA3 ASDATA2 ASDATA1 ASDATA0 SPDIF MC_DATA ACLK DVDD3 ALRCK ABCK RD16 RD17 DVSS RD18 RD19 RD20 RD21 DVDD2 RD22 RD23 DQM2 DQM3 DVSS RD24 RD25 RD26 RD27 DVDD3 RD28 RD29 RD30 RD31 DVSS RA3 RA2 RA1 RA0 DVDD2 RA10 BA1 DQM0 DQM1 DVSS RA4 RA5 RA6 DVDD3 RA7 DMVSS
A8 A9 A10 A11 A12 A13 GND A14 A15 AD7 AD6 AD5 AD4 DVDD3 AD3 AD2 AD1 AD0 DA0 DA1 DVDD2 DA2 DA3 DA4 DA5 DA6 DA7 A16 A17 DA18 DA19 DA20 APLLVSS APLLVDD3 ALE DOEB DWRB DCSB DVSS PLL2 UP1_3 UP1_4 UP1_5 UP1_6 DVDD3 UP1_7 UP1_0 UP1_1 NTSB B DVDD2 UP3_4 UP3_5 UWRB DRDB DVSS RD7 RD6 RD5 RD4 DVDD2 RD3 RD2 RD1 RD0 RWSB CASB RASB CSB BA0 DVSS RD15 RD14 RD13 RD12 DVDD3 RD11 RD10 RD9 RD8 DVSS CLK CLE RA11 RA9 RA8
PBDB PWRB RCSB GND PSOO VSCK VSDA VSCL DV33 SDA PWR_STBY POR_B V25 RXD TXD
DQ7 DQ6 DQ5 DQ4 V25 DQ3 DQ2 DQ1 DQ0 GND CASB RASB CSB BA0 GND DQ15 DQ14 DQ13 DQ12 SCL DV33 DQ11 DQ10 DQ9 DQ8 GND DCLK CKE RA11 RA9 RA8
REF PLLVSS LPDP LPDN LPFON LPFP LPFN LPFOP JUFO JUFN PLLVDD3 FOO TRO TROPENPWM PWMOUT1 PWMOUT2 DVDD2 DMO FMO DVSS FG HSHA0 HSHA1 HSHA2 HSHA3 HSHA4 HSHA5 DVSS HSHA6 HSHA7 AD7 AD6 AD5 AD4 DVDD3 AD3 AD2 AD1 AD0 DA0 DA1 DVDD2 DA2 DA3 DA4 DA5 DA6 DA7 A16 A17 DA18 DA19 DA20 APLLVSS
Y0 FS DACV33C RESET# MUTE_DAC ASDAT3 ASDAT2 ASDAT1 ASDAT0 ASPDIF AMDAT ACLK DV33 ALRCK ABCK DQ16 DQ17 GND DQ18 DQ19 DQ20 DQ21 V25 DQ22 DQ23 DQM2 DQM3 GND DQ24 DQ25 DQ26 DQ27 DV33 DQ28 DQ29 DQ30 DQ31 GND MA3 MA2 MA1 MA0 V25 MA10 BA1 DQM0 DQM1 GND MA4 MA5 MA6 DV33 MA7

Connectors

J2 RS232AP2.0mm (V33, RXD, TXD) — Pitch=2.0 m/m
J3 VFD&P2.0mm (VSTB, VSCK, VSDA) — Pitch=2.54 m/m — XINGQU USE 2-7 PIN
SCL, SDA

Interface

Y[0..7] [6]
FS1 [6], FS0 [6], RGB_SW_MCH [5] — VIDEO INTERFACE
AD[0..19] [4], AD[0..7] [4], PRD# [4], PWR# [4], PCE# [4] — FLASH
MAD[0..11] [4], DQ[0..31] [4], BADR[0..1] [4], DQM[0..3] [4], DCLK [4], DCKE [4], CAS# [4], RAS# [4], WE# [4], CS# [4] — MEMORY
SCL [4], SDA [4] — IIC
ASDAT[0..2] [6], RESET# [5], MUTE_DAC [5], MT_EN# [6], ALRCK [5], ACLK [5], ABCK [5], ASPDIF [6], AMDAT [5] — AUDIO INTERFACE
URST [12]
TROPEN [2]
SCLK [2], SDEN [2], SDATA [2], PWMOUT2 [2], RFOP [2], RFON [2], V2P8 [2], V1P4 [2], RFO [2], RFL [2], CSO [2], TEO [2], BDO [2], RFRP [2], HTRC [2], DMSO [2], FOSO [2], TRSO [2], FMSO [2], ADIN [2]

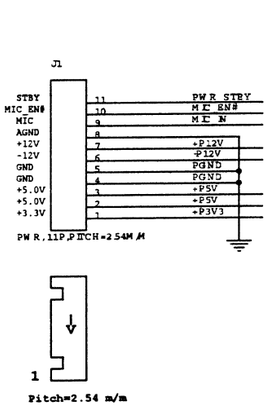
MTK1379-SONY-KHM280	
EBD3.380.069DL	
EJS7928	

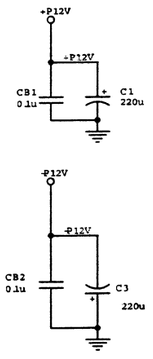
COMMON79_KHM280_V1

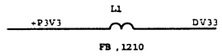
1 INDEX & POWER, RESET
2 RF / SERVO & MPEG - MT1336E / MT1379E
3 MEMORY - SDRAM, FLASH/EEPROM
4.AUDIO-CS4340&WM8746&AV2188
5 AV FILTER.

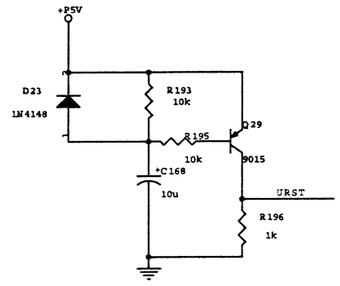
NAME	TYPE	DEVICE
VCC	Digital 5V	SUPPLY
RVCC	Servo 5V	MT1336E
AVCC	RF 5V	PICKUP HEADER
V33	Digital 3.3V	SDRAM, Flash, VideoDAC
DV33	Digital 3.3V	MT1379E
AV33	Servo 3.3V	MT1379E
V25	Digital 2.5V	MT1379E
+5VA	Audio 5V	Audio DAC
+3VV	Video 3.3V	Video DAC
+5VV	Video 5V	Video DAC
+12V	Audio 12V	Audio filter

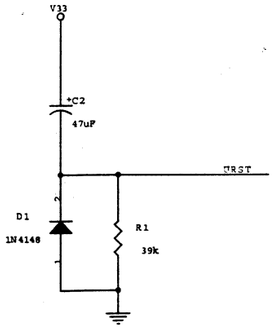
NAME	TYPE
GND	Digital Ground
SGND	Servo Analog Ground
AGND	Audio Ground
VGND	Video Ground

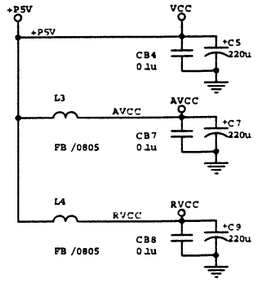


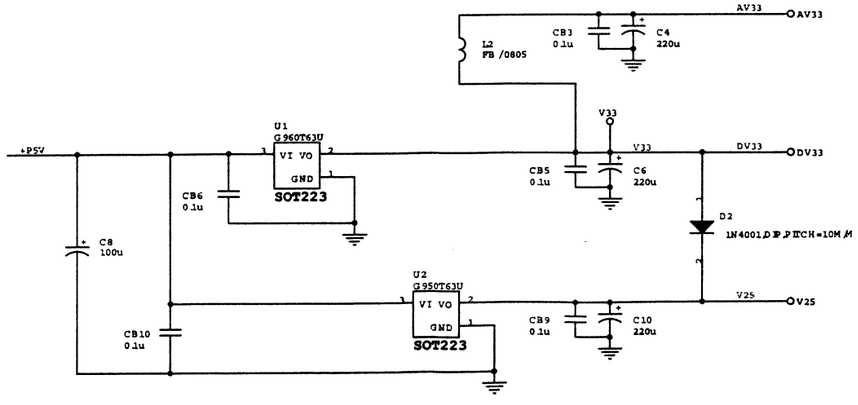






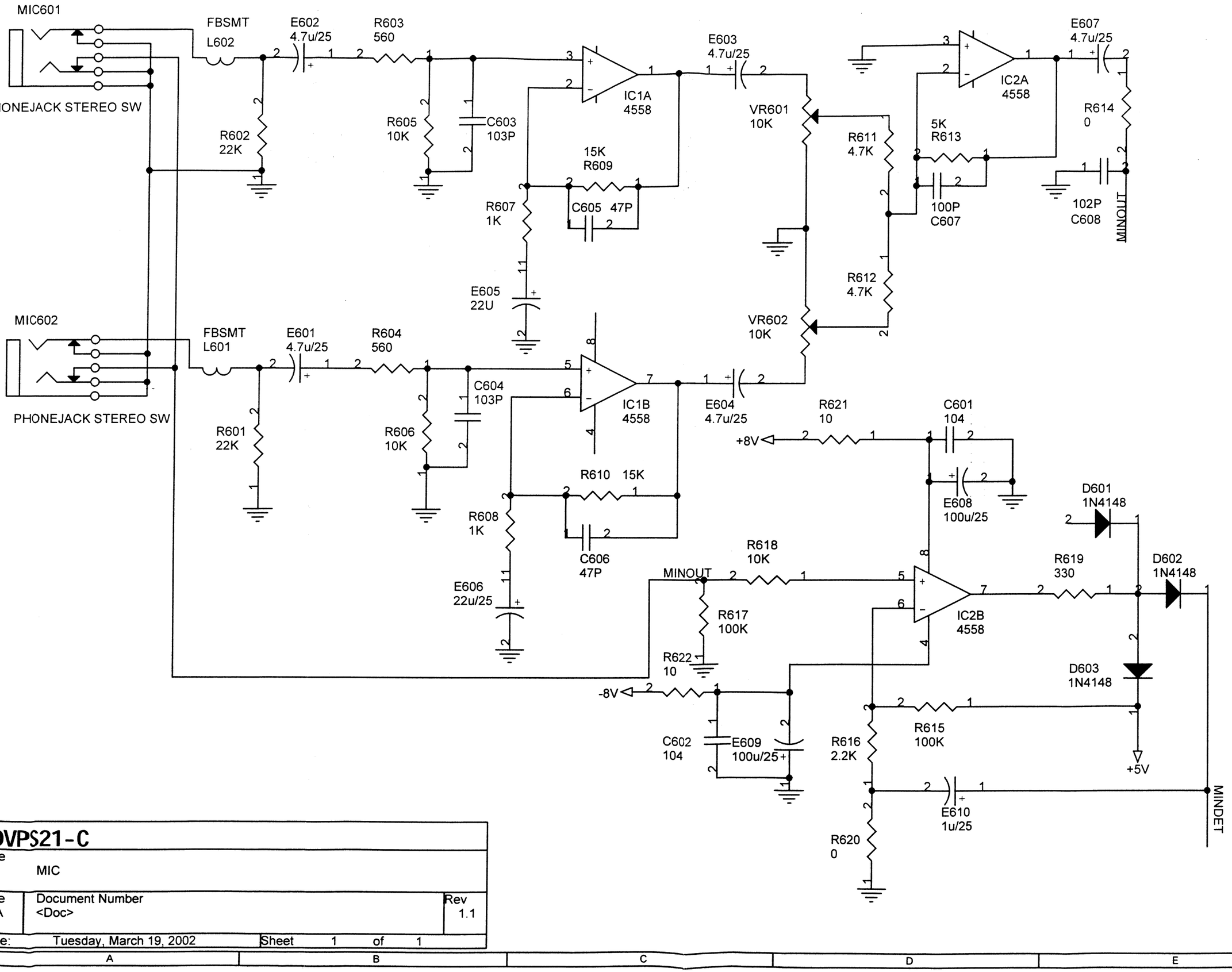






URST ⟫ URST [2,3]
PWR_STBY ⟫ PWR_STBY [2]

			MTK1379-SONY-KHM280
			EBD3.380.169DL
		EJS7928	



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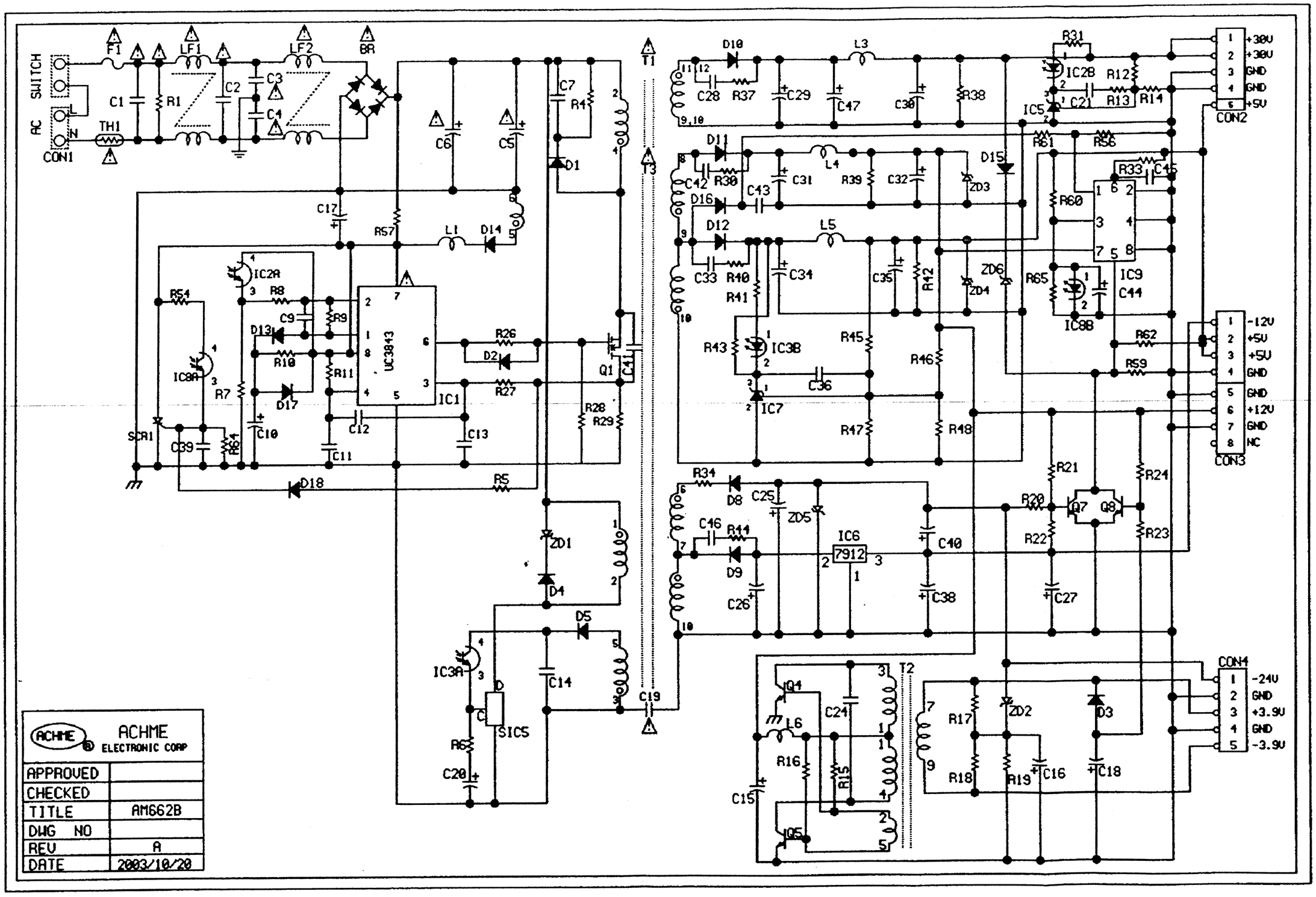
Date: Tuesday, March 19, 2002	Sheet 1 of 1	

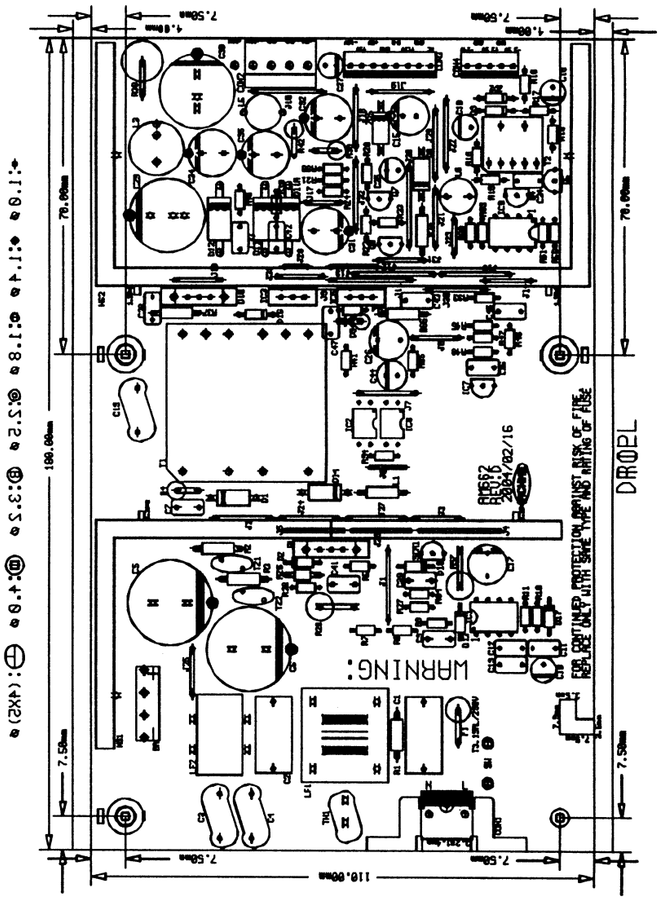


ACHME ELECTRONIC CORP	
APPROVED	
CHECKED	
TITLE	AM662B
DWG NO	
REV	A
DATE	2003/10/20

ACHME POWER SUPPLY PARTS LIST

MODEL : AM662H
DATE : 2003.10.07
REV : A

NO	LOCATION	DESCRIPTION		MANUFACTURE
79	J6, J17, J23	RJBBJ0P607P5XXXX	JUMPER 0.6*7.5mm	彩源
		RJBNJ0P607P5XXXX		華盛
80	J28	RJBBJ0P60005XXXX	JUMPER 0.6*5mm	彩源
		RJBNJ0P60005XXXX		華盛
81	J4. J11. J13. J20	RJBBJ0P617P5XXXX	JUMPER 0.6*17.5mm	彩源
		RJBNJ0P617P5XXXX		華盛
82	IC1	KCBJGUC3842BNXXX	UC3842BN	ST
		KCBNGUC3842BXXXX	UC3842B	ON
83	IC2. IC8	KEBQGLTV817CXXXX	LTV817C	LITEON
		KEBAGPC123FYYXXX	PC123FY	SHARP
		KECEGEL817CXXXXX	EL817C(M)	EVEREL GHT
84	IC6	KDBJGL7912CVXXXX	L7912CV	ST
		KDBKGKA7912XXXXX	KA7912	FAIRCHILD
		KDBDGKIA7912PXXX	KIA7912P	KEC
85	IC7	KBBWGTL431ACLPXX	TL431ACLP	TI
		KBBDGKI1431AXXXX	KIA431A	KEC
86	IC9	KDBWGTPS3510XXXX	TPS3510	TI
		KDCJHY510NXXXXXX	HY510N	修益
87	SCR1	HSRPGRT169DVYYYY	RT169D	PHILIPS
		HSBTGXL0840XXXXX	XL0840	ST
88	T. E. L TUBE	XFBWX0P960010XXX	0.96φ*10mm FOR J14	富源
89	T. E. L TUBE	XFBWX0P960017XXX	0.96φ*17mm FOR J11	富源
90	TUBE *1PCS	XEBHYYYY10028YYY	1φ*28mm FOR F1	良益
		XEBWYYYY10028YYY		豪銘
91	TUBE *1PCS	XEBHXXXX60022XXX	6φ*22mm FOR F1	良益
		XEBWYXXY6U022XXX		豪銘
92	BEAD CORE	LCBCB03P500601P2	3.5*6*1.2 FOR D9(黃城)	西實
		LCBJB03P500601P2		鼎裕
93	絕緣片*2PCS	YGBHTO220YXXXXX	TO-220 FOR D10, IC6	良益
		YGBWSLTO220YXXXX	SL-TO 220 FOR D10, IC6	富源
94	絕緣套*2PCS	XABEM3602XXXXXX	M3 G02 FOR D10, IC6	品固
		XABHBHTO220XXXXX	BH-TO-220 FOR D10, IC6	良益
		XABWBHTO220XXXXX		富源
95	紙箱	TKFM662BXYX\DXYB	580*275*230mm 內徑 1/1PCS	實力
			576*200mm (11刀卡)3/1PCS	
			271*200mm (3刀卡)11/1PCS	
			576*271mm(隔板)2*PCS	
96	WIRE	WBDBGG662XXXP1XXA	AM662-P1-A	豐鵬
		WBDBWG662XXXP1XXA		伸旺
		WBDBSS662XXXP1XXA		針勃
97	WIRE(CON3)	WBDBGG662XXXP2XXX	AM662-P2	豐鵬
		WBDBWG662XXXP2XXX		伸旺
		WBDBSS662XXXP2XXX		針勃
98	FG*3PCS	NEBB07GND7XXXXXA	GND-7-A	豐鵬
		NEBC09JG9XXXXXXA	JG-9-A	品固
		YKHF8X10X0P3XXXX	接地片 8*10*0.3mm	冠宇
99	綁腳	WSBRXDC40410BA2S	KDC-A04-10(B) A2-S	華峰
		WSCBXSS1607A3XXX	SS-160-7-A3	華豐
		WSBJXPS322SPXXXX	PS3-22SP	SOLTEAN耀騰



ACHME POWER SUPPLY PARTS LIST

MODEL : AM662H
DATE : 2003.10.07
REV : A

NO	LOCATION		DESCRIPTION	MANUFACTURE
1	R1	RCBBJ470KESJXXXX RCBNJ470KESJXXXX	1/2WS 470K	彩源 華盛
2	R2, R3	RMBBJ390KESJXXXX RMBNJ390KESJXXXX	1/2WS 390K MOF	彩源 華盛
3	R4	RMBBJ56K0GSJXXXX RMBNJ56K0GSJXXXX	2WS 56K (F) MOF	彩源 華盛
4	R5, R7	RCBBJ0470CXJXXXX RCBNJ0470CXJXXXX	1/8W 470Ω	彩源 華盛
5	R8, R9, R21, R22, R54, R64	RCBBJ10K0CXJXXXX RCBNJ10K0CXJXXXX	1/8W 10K	彩源 華盛
6	R10	RCBBJ100KCXJXXXX RCBNJ100KCXJXXXX	1/8W 100K	彩源 華盛
7	R11, R61	RCBBJ3K90CXJXXXX RCBNJ3K90CXJXXXX	1/8W 3.9K	彩源 華盛
8	R27	RCBBJ1K00CXJXXXX RCBNJ1K00CXJXXXX	1/8W 1K	彩源 華盛
9	R28	RCBBJ5K10CXJXXXX RCBNJ5K10CXJXXXX	1/8W 5.1K	彩源 華盛
10	R26, R33	RCBBJ0051CXJXXXX RCBNJ0051CXJXXXX	1/8W 51Ω	彩源 華盛
11	R47	RCBBJ10K5CXFXXXX RCBNJ10K5CXFXXXX	1/8W 10.5K 1%	彩源 華盛
12	R29	RMBBJ0P30GSJXXXX RMBNJ0P30GSJXXXX	2WS 0.3Ω (F) MOF	彩源 華盛
13	R30	RCBBJ0022DXJXXXX RCBNJ0022DXJXXXX	1/4W 22Ω	彩源 華盛
14	R37	RCBBJ0010ESJXXXX RCBNJ0010ESJXXXX	1/2WS 10Ω (F)	彩源 華盛
15	R38	RCBBJ1K00HSJXXXX RCBNJ1K00HSJXXXX	3WS 1kΩ (F)	彩源 華盛
16	R39	RCBBJ0390FSJXXXX RCBNJ0390FSJXXXX	1WS 390Ω (F)	彩源 華盛
17	R40	RCBBJ8P20CXJXXXX RCBNJ8P20CXJXXXX	1/8W 8.2Ω	彩源 華盛
18	R41	RCBBJ0100CXJXXXX RCBNJ0100CXJXXXX	1/8W 100Ω	彩源 華盛
19	R42	RCBBJ0100FSJXXXX RCBNJ0100FSJXXXX	1WS 100Ω (F)	彩源 華盛
20	R45	RCBBJ20K0CXFXXXX RCBNJ20K0CXFXXXX	1/8W 20K 1%	彩源 華盛
21	R46	RCBBJ240KCXFXXXX RCBNJ240KCXFXXXX	1/8W 240K 1%	彩源 華盛

ACHME POWER SUPPLY PARTS LIST

MODEL : AM662H
DATE : 2003.10.07
REV : A

NO	LOCATION		DESCRIPTION	MANUFACTURE
22	R48	RCBBJ270KCXJXXXX RCBNJ270KCXJXXXX	1/8W 270K	彩源 華盛
23	R58	RCBBJ22K0CXJXXXX RCBNJ22K0CXJXXXX	1/8W 22K	彩源 華盛
24	R56	RCBBJ1K50CXJXXXX RCBNJ1K50CXJXXXX	1/8W 1.5K	彩源 華盛
25	R57	RWBBJ100KGSJXXXX RWBNJ100KGSJXXXX	2WS 100K (F) MOF	彩源 華盛
26	R59, R60, R65	RCBBJ2K70CXJXXXX RCBNJ2K70CXJXXXX	1/8W 2.7K	彩源 華盛
27	R66	RCBBJ1K30DXJXXXX RCBNJ1K30DXJXXXX	1/4W 1.3K	彩源 華盛
28	C1, C2	CBBVLR2224KWXHQX CBBZLS2224KWXCTX	X/CAP 0.22μ/275V HQX TYPE P=15mm X/CAP 0.22μ/300V CTX-TYPE P=15mm	基電 萬通
30	C3, C4	CNCCLG2471MYXSBX CNBBLG2471MYXAHX CNBLLG2471MYXADX	Y1/CAP 471P/250V SB-TYPE P=10mm Y1/CAP 471P/250V AH-TYPE P=10mm Y1/CAP 471P/250V AD-TYPE P=10mm	成功 區錦 SAMSUNG
30	C19	CNCCLG2102MYXSEX CNBBLG2102MYXAHX CNBLLG2102MYXADX	Y1/CAP 102P/250V SE-TYPE P=10mm Y1/CAP 102P/250V AH-TYPE P=10mm Y1/CAP 102P/250V AD-TYPE P=10mm	成功 區錦 SAMSUNG
31	C5, C6	CEBFLF2150MLAMXX CEBTLF2150MLASXX CECULF2150MLAGSX	EC 150μF/200V 16φ×32mm MK-TYPE EC 150μF/200V 16φ×32mm SK-TYPE EC 150μF/200V 16φ×32mm GS-TYPE	富之鉉 智寶 豐寶
32	C7	CCCCLA34722DXZ5V CCCMLA34722DXZ5V CCBBLA34722DXZ5V	CC 472P/1KV Z5Y-TYPE (Z) P=5mm	成功 鑫科 區錦
33	C10, C27	CEBTLG1047MTGSEX CECULG1047MTGKMX	EC 47μF/25V 5φ*11mm SEX-TYPE EC 47μF/25V 5φ*11mm KM-TYPE	智寶 豐寶
34	C33	CCCCLM1103ZDXZ5V CCCMLM1103ZDXZ5V CCBBLM1103ZDXZ5V	CC 103P/50V Z5V-TYPE P=5mm	成功 鑫科 區錦
		CCCCLM1103MDXZ5U CCCMLM1103MDXZ5U CCBBLM1103MDXZ5U	CC 103P/50V Z5U-TYPE P=5mm	成功 鑫科 區錦
34	C9 (有KINK)	CCCCLM1103ZDXZ5V CCCMLM1103ZDXZ5V CCBBLM1103ZDXZ5V	CC 103P/50V Z5V-TYPE P=5mm	成功 鑫科 區錦
		CCCCLM1103MDXZ5U CCCMLM1103MDXZ5U CCBBLM1103MDXZ5U	CC 103P/50V Z5U-TYPE P=5mm	成功 鑫科 區錦
35	C11	CJCCLM1103KDXX7R CJCMLM1103KDXX7R CJBBLM1103KDXX7R	MO 103P/50V X7R-TYPE P=5mm	成功 鑫科 區錦
36	C12	CCCCLM1101KDXY5P CCCMLM1101KDXY5P CCBBLM1101KDXY5P	CC 101P/50V Y5P-TYPE P=5mm	成功 鑫科 區錦
37	C13	CCCCLM1222KDXZ5V CCCMLM1222KDXZ5V CCBBLM1222KDXZ5V	CC 222P/50V Z5V-TYPE P=5mm	成功 鑫科 區錦
38	C17(8+/-1)	CEBTKG1150MKGSEX CECUKG1150MKGKMX	EC 150μF/25V 6φ*11mm SEX-TYPE EC 150μF/25V 6φ*11mm KM-TYPE	智寶 豐寶
39	C36	CJCCLM1104KDXX7R CJCMLM1104KDXX7R CJBBLM1104KDXX7R	MO 104P/50V X7R-TYPE P=5mm	成功 鑫科 區錦

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NO	LOCATION		DESCRIPTION	MANUFACTURE
40	C44	CEBTLG1100MKGSEX CECULG1100MKGKMX	EC 100μF/25V 6φ*11mm SEX TYPE EC 100μF/25V 6φ*11mm KM-TYPE	智寶 豐寶
41	C26	CEBTLJ1100MJGSEX CECULJ1100MJGKMX	EC 100μF/35V 8φ*11mm SEX-TYPE EC 100μF/35V 8φ*11mm KM-TYPE	智寶 豐寶
42	C28	CCCCLA3471KDXY5P CCCMLA3471KDXY5P CCBBLA3471KDXY5P	CC 471P/1KV Y5P-TYPE (K) P=5mm	成功 鑫科 區錦
43	C29	CEBTLJ122KWLASCX CECULJ122KWLAGFX	EC 2200μF/35V 16φ*32mm SC-TYPE EC 2200μF/35V 16φ*30mm GF-TYPE	智寶 豐寶
44	C30	CEBTLJ110KWGBSEX CECULJ110KWGBKMX	EC 1000μF/35V 13φ*25mm SEX-TYPE EC 1000μF/35V 13φ*25mm KM-TYPE	智寶 豐寶
45	C31	CEBTLD110KMFTSEX CECULD110KMFPKMX	EC 1000μF/16V 10φ*20mm SEX-TYPE EC 1000μF/16V 10φ*20mm KM-TYPE	智寶 豐寶
46	C32, C35(8+/-1)	CEBFKD1680MJSTMX CEBTKD1680MJSSEX CECUKD1680MJSKMX	EC 680μF/16V 8φ*16mm TM-TYPE EC 680μF/16V 8φ*16mm SEX-TYPE EC 680μF/16V 8φ*16mm KM-TYPE	富之鉉 智寶 豐寶
47	C34	CEBTLA110KMFHSCX CECULA110KMFSGFX	EC 1000μF/10V 10φ*15mm SC-TYPE EC 1000μF/10V 10φ*16mm GF-TYPE	智寶 豐寶
48	C41(有KINK)	CCCCLA3101KDXY5P CCCMLA3101KDXY5P CCBBLA3101KDXY5P	CC 101P/1KV Y5P-TYPE (K) P=5mm	成功 鑫科 區錦
49	C42	CCCCLA3222KDXY5P CCCMLA3222KDXY5P CCBBLA3222KDXY5P	CC 222P/1KV Y5P-TYPE (K) P=5mm	成功 鑫科 區錦
50	C43, C45	CCCCLM1104ZDXY5V CCCMLM1104ZDXY5V CCBBLM1104ZDXY5V	CC 104P/50V Y5V-TYPE P=5mm	成功 鑫科 區錦
50	C39(有KINK)	CCCCLM1104ZDXY5V CCCMLM1104ZDXY5V CCBBLM1104ZDXY5V	CC 104P/50V Y5V-TYPE P=5mm	成功 鑫科 區錦
51	D1	DFBEDHER207XXXXX DFCEDHER207XXXXX DFBLDHER207XXXXX	HER 207 HER 207 HER 207	SEP LH LITEON
52	D2, D13, D16, D17, D18	DGBPD1N4148XXXXX DGBHD1N4148XXXXX DGBXD1N4148XXXXX	1N4148	PHILIPS HITACHI VISHAY
53	D14	DFBEDHER103XXXXX DFCEDHER103XXXXX DFBLDHER103XXXXX	HER103 HER103 HER103	SEP LH LITEON
54	D9	DFBEDHER103XXXXX DFCEDHER103XXXXX DFBLDHER103XXXXX	HER103 (F) HER103 (F) HER103 (F)	SEP LITEON LH
55	D10	DFBJGSTPR1020CTX DFBPGBYQ28E200XX DSBLGSTPR1020CTX	STPR1020CT BYQ28E-200 STPR1020CT	ST PHILIPS LITEON
56	D11	DFBEDHER503XXXXX DFCEDHER503XXXXX DFBLDHER503XXXXX	HER503 HER503 HER503	SEP LH LITEON
57	D12	DSBEDSB560XXXXXX DSCEDSB560XXXXX DSBLDSB560XXXXX	SB560 (臥式洋插)	SEP LH LITEON
58	BR	DBBEGRS405LXXXXX DBCEGRS405LXXXXX DBBLGKBL406XXXXX	RS405L RS405L KBL406	SEP LH LITEON
59	Q1	QMBSGFQPF7N80XXX ~~QMBJGSTP7NC80ZFP~~	FQPF7N80 ~~STP7NC80ZFP~~	FAIRCHILD ST

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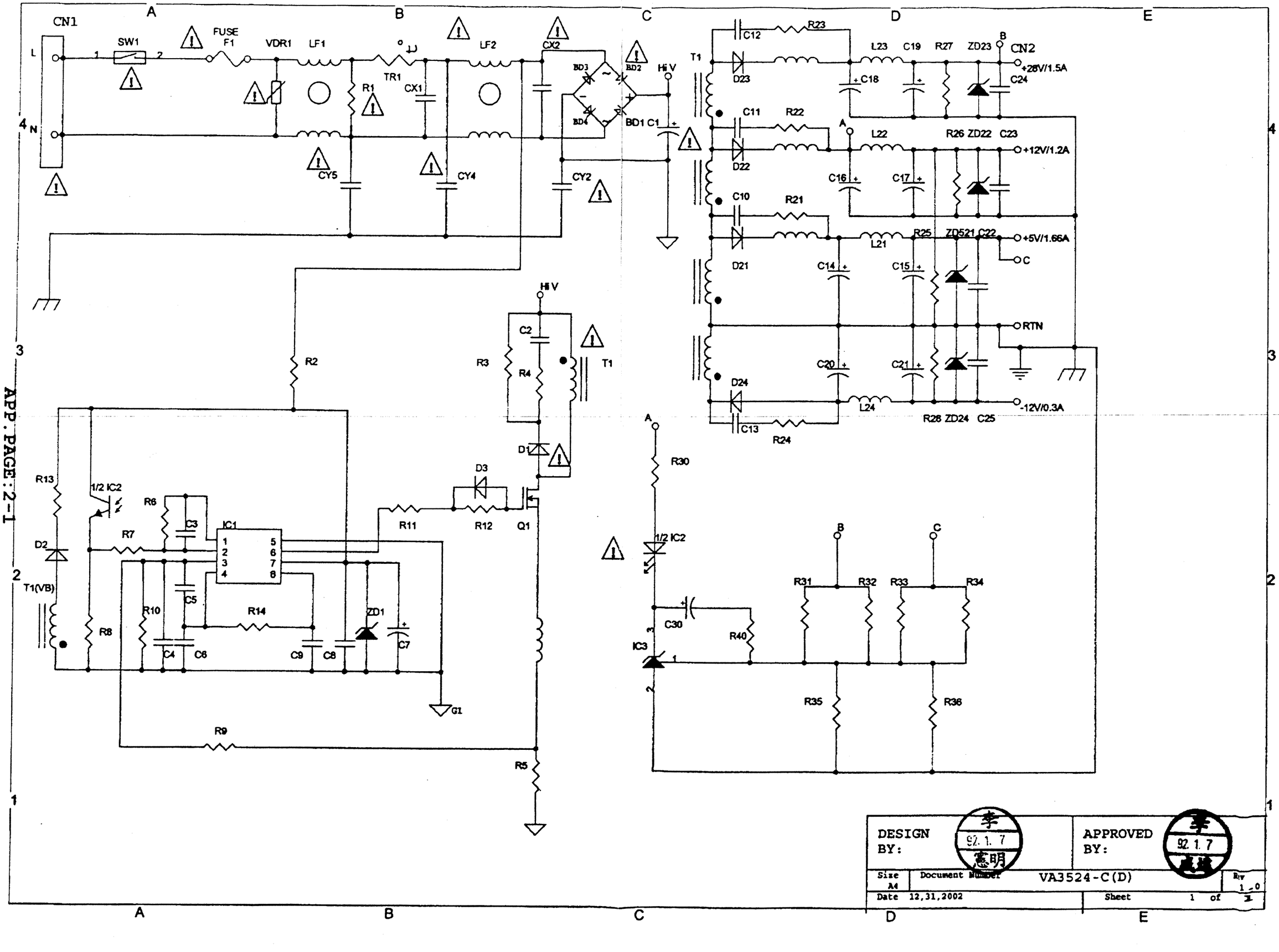
NO	LOCATION		DESCRIPTION	MANUFACTURE
60	TH1	RKBEEFSCK054XXXX	SCK-054	興勃
61	TZ1, TZ2	CVEIIKCNR07D241KX CVDDKTVR07241KSX CVBUKSAS241KD07X	CNR-07D241K TVR-07241KS SAS-241KD07	CNR 興勃 SAS
62	F1	FCBHBTSDP3P15AXX FCBCBUTEA3P15AXX	TSD+P 3.15A/250V UTE-A 3.15A/250V	華德 功得
63	LF1	LFBFB411BXXLFXXX LFCQB411BXXLFXXX LFCCB411BXXLFXXX LFBTB411BXXLFXXX	AM411B-LF	飄普 德達 正順 臺灣伏特
64	LF2	LFBFB707BXLF2XAX LFCQB707BXLF2XAX LFCCB707BXLF2XAX LFBTB707BXLF2XAX	AM707B-LF2	飄普 德達 正順 臺灣伏特
65	L1	LRBJDAL0307100KX LRCKDAL0307100KX	AL0307-100K	鼎裕 恒忻
66	L3	LLBFB140BXXL1XXX LLCQB140BXXL1XXX LLCCB140BXXL1XXX LLBTB140BXXL1XXX	AM140B-L1	飄普 德達 正順 臺灣伏特
67	L5	LLBFB411BXXL1XXX LLCQB411BXXL1XXX LLCCB411BXXL1XXX LLBTB411BXXL1XXX	AM411B-L1	飄普 德達 正順 台灣伏特
68	T1	LTCQB662BXXT1XXX LTBTB662BXXT1XXX	AM662B-T1	德達 台灣伏特
69	CON1	WHBNX396103N2XXX WHCRXJS112003XXX	3961-03N2 P=3.96mm JS-1120-03(N02)	機欣 錦祺
70	HS1	UFBTAL662XX01LXB UFCGAL662XX01LXB	AM662-HS1-B FOR Q1	德萬達 華德
71	HS2	UFBTAD662XX02LXB UFCGAD662XX02LXB	AM662-HS2-B FOR D10, IC6	德萬達 華德
72	SCREW*3	SABAPP0P5PX8LPXN SABBPP0P5PX8LPXN	3*8丸 FOR Q1, D10, IC6	輝鴻 偉萬
73	PCB	PCBBB662XXXXXBD PCBBC662XXXXXBD PCBBP662XXXXXBD	AM662 REV:D	萬年富 通達 隆和
74	LABEL 大	TGJA662HXXXXC01A	AM662H LABEL	杰盛
75	LABEL 小	TGJE662HXXXXCCBA	AC 200V-240V LABEL	杰盛
75	LABEL	TGJR662HXXXXCDTA	周期標簽.(客戶料號為: 90-125-18000)	杰盛
76	J2, J5, J7, J18, J19, J21, J24, J26, J27, J30	RJBBJ0P612P5XXXX RJBNJ0P612P5XXXX	JUMPER 0.6*12.5mm	彩源 華盛
77	J1, J15, J16, J22, J29, J32	RJBBJ0P60015XXXX RJBNJ0P60015XXXX	JUMPER 0.6*15mm	彩源 華盛
78	J3, J8, J10, J14, J33	RJBBJ0P60010XXXX RJBNJ0P60010XXXX	JUMPER 0.6*10mm	彩源 華盛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ZD521
C22
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